



## **PART – IV REFERENCE DOCUMENTS**

**Design, procurement, Construction of Track and track related works and its testing & commissioning for double track electrified railway line on a Design Build Lump Sum Basis from New Karwandiya (Rly. Km. 564) to Durgawati (Rly. Km. 630) approx. 66 KMs on Mughalsarai-Sonnagar Section of Eastern Dedicated Freight Corridor.**

# Part – IV

## Reference Documents

### Site Data:-

- a. Formation alignment (plan & profile)
- b. Yard plans
- c. Locations of availability of the ballast along the alignment
- d. Location of LCs
- e. Details of station of existing Indian Railway network from Karwandiya to Durgawati

| Site Data-                             |                                    |      |
|--|------------------------------------|------|
| (a) Formation Alignment Plan & Profile |                                    |      |
| Sheet No.                              | Chainage/Km shown in Project Sheet |      |
|  | From                               | To   |
| 1                                      | 1400                               | 1500 |
| 2                                      | 1500                               | 1600 |
| 3                                      | 1600                               | 1700 |
| 4                                      | 1700                               | 1800 |
| 5                                      | 1800                               | 1900 |
| 6                                      | 1900                               | 2000 |
| 7                                      | 2000                               | 2100 |
| 8                                      | 2100                               | 2200 |
| 9                                      | 2200                               | 2300 |
| 10                                     | 2300                               | 2400 |
| 11                                     | 2400                               | 2500 |
| 12                                     | 2500                               | 2600 |
| 13                                     | 2600                               | 2700 |
| 14                                     | 2700                               | 2800 |
| 15                                     | 2800                               | 2900 |
| 16                                     | 2900                               | 3000 |
| 17                                     | 3000                               | 3100 |
| 18                                     | 3100                               | 3200 |
| 19                                     | 3200                               | 3300 |
| 20                                     | 3300                               | 3400 |
| 21                                     | 3400                               | 3500 |
| 22                                     | 3500                               | 3600 |
| 23                                     | 3600                               | 3700 |
| 24                                     | 3700                               | 3800 |
| 25                                     | 3800                               | 3900 |
| 26                                     | 3900                               | 4000 |
| 27                                     | 4000                               | 4100 |
| 28                                     | 4100                               | 4200 |
| 29                                     | 4200                               | 4300 |
| 30                                     | 4300                               | 4400 |
| 31                                     | 4400                               | 4500 |
| 32                                     | 4500                               | 4600 |
| 33                                     | 4600                               | 4700 |
| 34                                     | 4700                               | 4800 |
| 35                                     | 4800                               | 4900 |
| 36                                     | 4900                               | 5000 |
| 37                                     | 5000                               | 5100 |
| 38                                     | 5100                               | 5200 |
| 39                                     | 5200                               | 5300 |
| 40                                     | 5300                               | 5400 |
| 41                                     | 5400                               | 5500 |

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|    |      |      |
|----|------|------|
| 42 | 5500 | 5600 |
| 43 | 5600 | 5700 |
| 44 | 5700 | 5800 |
| 45 | 5800 | 5900 |
| 46 | 5900 | 6000 |
| 47 | 6000 | 6100 |
| 48 | 6100 | 6200 |
| 49 | 6200 | 6300 |
| 50 | 6300 | 6400 |
| 51 | 6400 | 6500 |
| 52 | 6500 | 6600 |
| 53 | 6600 | 6700 |
| 54 | 6700 | 6800 |
| 55 | 6800 | 6900 |
| 56 | 6900 | 7000 |
| 57 | 7000 | 7100 |
| 58 | 7100 | 7200 |
| 59 | 7200 | 7300 |
| 60 | 7300 | 7400 |
| 61 | 7400 | 7500 |
| 62 | 7500 | 7600 |
| 63 | 7600 | 7700 |
| 64 | 7700 | 7800 |
| 65 | 7800 | 7900 |
| 66 | 7900 | 8000 |
|    |      |      |

1. Chainage 00 starts at Km 550.245 near Sonnagar of IR Track
2. If there is any discrepancy between the yard details shown in above plan & profile drawings and yard plans attached as Site data (b). The details shown in yard plan (Site data(b)) shall prevail.

  
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**SITE DATA –  
(b) YARD PLAN**

| S.No. | Station Name                  | Railway<br>Km/Chainage | Drawing No.                 | Remarks                  |
|-------|-------------------------------|------------------------|-----------------------------|--------------------------|
| 1     | Karwandiya/<br>New Karwandiya | 565.14                 | CE's DRG. No. Y-<br>35-2011 | Crossing/<br>Jn. Station |
| 2     | Sasaram                       | 572.64                 | Dy.<br>CPM/DFC/MGS/02       | Jn. Station              |
| 3     | New/Near Kudra                | Ch. 45/734             | -                           | Crossing<br>Station      |
| 4     | New/ Near Durgawati           | Ch. 75+507             | -                           | Crossing<br>Station      |
| 5     | Durgawati                     | 629.2                  | CE's DRG. No. Y-<br>34-2011 | Crossing/Jn.<br>Station  |

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## SITE DATA

### (c) Location of availability of Ballast along the alignment.

- Major quantity of ballast for boxing and packing is available at DFCCIL/IR station/locations such as :
  - Shivsagar
  - Kumahau
  - Kudra
  - Pasauli
  - Muthani
  - Bhabhua Road
  - Durgawati and
  - At KM 577/15 to 579/15
  - At KM 591/18 to 593/10
  - At KM 623/18 to 627/6
  - At KM 613/4 to 614/4
  - However, some quantity may be available at other location in mid section along the DFCCIL alignment.

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Admin  
16/4/12

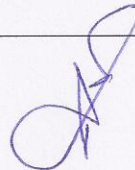
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| Site Data-                  |                     |                                 |
|-----------------------------|---------------------|---------------------------------|
| (d) Level Crossings Details |                     |                                 |
| S.No.                       | Level Crossings No. | Location (Existing Chainage/Km) |
| 1                           | 38                  | 564/19-21                       |
| 2                           | 39                  | 566/0-1                         |
| 3                           | 39/1                | 566/19-21                       |
| 4                           | 40                  | 567/11-13                       |
| 5                           | 41                  | 569/17-19                       |
| 6                           | 42                  | 571/19-21                       |
| 7                           | 44                  | 576/11-13                       |
| 8                           | 45                  | 578/9-11                        |
| 9                           | 46                  | 581/1-3                         |
| 10                          | 47                  | 583/5-7                         |
| 11                          | 48                  | 585/5-7                         |
| 12                          | 49                  | 586/21-23                       |
| 13                          | 50                  | 588/25-27                       |
| 14                          | 51                  | 590/23-25                       |
| 15                          | 52                  | 594/17-19                       |
| 16                          | 52/2                | 600/5-7                         |
| 17                          | 53                  | 601/9-11                        |
| 18                          | 54                  | 603/17-19                       |
| 19                          | 55                  | 605/25-27                       |
| 20                          | 56                  | 609/7-9                         |
| 21                          | 57                  | 612/25-27                       |
| 22                          | 58                  | 615/3-5                         |
| 23                          | New                 | 619/26-28                       |
| 24                          | 61                  | 624/11-13                       |
| 25                          | 62                  | 627/9-11                        |
| 26                          | 63                  | 628/3-5                         |

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## SITE DATA -

(e) DETAILS OF STATION OF EXISTING INDIAN RAILWAYS NETWORK FROM KARWANDIYA TO DURGAWATI

| S.No. | Station Name   | Railway KMs |
|-------|----------------|-------------|
| 1.    | Karwandiya     | 565.140     |
| 2.    | Sasaram        | 572.640     |
| 3.    | Kumhu          | 580.520     |
| 4.    | Shivsagar Road | 586.200     |
| 5.    | Khurmabad Road | 591.430     |
| 6.    | Kudra          | 597.910     |
| 7.    | Pusauli        | 606.760     |
| 8.    | Muthani        | 614.700     |
| 9.    | Bhabhua Road   | 620.140     |
| 10.   | Durgawati      | 629.200     |

  
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